ABSTRACT OF THE DISCLOSURE

METHOD TO VERIFY THE EFFICIENCY OF ANTI-JAMMING FOR A
COMMUNICATIONS SYSTEM

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A method for the verification of anti-jamming in a communications system
comprises several sensors or adaptive antennas, comprising at least the following
steps :

10 • estimating the mean power $\hat{\pi}_y$ of the output of the communications system,

• estimating the respective power values Pu or P'u, of a station u, the antenna noise
Pa or P'a, the thermal noise PT, or P'T,

• estimating at least one of the following ratios :

$$J_{tot}/S_{tot} \;=\; (\sum_{p=1}^{P} P_p)\,/\,(\sum_{u=1}^{U} P_u\;)$$

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$$J_{tot}/S_u \;=\; (\sum_{p=1}^{P} P_p)\,/\,P_u$$

$$J_u/S_u \;=\; (\sum_{p=1}^{P} P_{pu})\,/\,P_u$$

• comparing at least one of the three ratios with a threshold value.